

<p>96-157617/16 D25 E17(E13) NKKC 94.07.26 NIKKA KAGAKU KK *JP 08041780-A 94.07.26 94JP-174080 (96.02/3) D06L 3/12, A01N 33/12, 59/00, D06M 13/207, 15/11, A01N 65/00, A61L 9/01 Compsn. for rinsing assistant for washing - consists of aq. soln. contg. organic acid, deodorant, antibacterial agent and water soluble fluorescent dye. C96-049779</p>	<p>D(11-B1C, 11-B14, 11-B23, 11-D) E(6-A3, 10-A22, 10-C2A, 10-C2D1, 10-C2D2, 10-C2F, 10-C4D4, 10-C4L)</p> <p>rinsing clothes. The compsn. has no adverse effect to the humans and has functions, including yellowing prevention, deodorisation, antibacterial property, and enhanced whiteness. No environment or working environment is harmed. The compsn. simplifies washing processes and enhances washing efficiency.</p>
<p>A compsn. consists of an aq. soln. contg.: (a) an organic acid, 10-80 wt.%, pref., 20-60 wt.%; (b) a deodorant consisting of a natural plant extract and/or a cyclic polysaccharide cpd., 3-40 wt.%, pref., 5-20 wt.%; (c) an antibacterial agent, 1-40 wt.%, pref., 2-20 wt.%; and (d) a water-soluble fluorescent dye, 0-20 wt.% pref., 0.5-1 wt.%, and having a pH of up to 3.</p> <p>At least one from oxalic acid, glycolic acid, tartaric acid, citric acid, isocitric acid, malic acid, malonic acid, and fumaric acid is used. A quart. ammonium salt cpd. is pref. antibacterial agent. Cyclic polysaccharide cpd. is cyclodextrin.</p> <p><u>USE/ADVANTAGE</u> The compsn. is for rinsing assistant for washing and is used in</p>	<p>A rinsing assistant consisting of the following was prepared: (a) 40 wt.-%-citric acid; (b) a 10 wt.-%-deodorant; (c) a 10 wt.-%-antibacterial agent; (d) a 0.05 wt.-%-fluorescent dye; and (e) the balance, water. washing at 60 deg.C for 10 minutes and rinsing for 5 minutes, three times were applied. The assistant was used in the third rinsing. The results were; (a) a decrease in pH = 6.0; (b) no odorisation; (c) high antibacterial action; and (d) whiteness - 123. (4pp215DwgNo.0/0)</p> <p>JP 08041780-A</p>

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(21) Application number: **06174080**(22) Date of filing: **26.07.94**(71) Applicant: **NIKKA CHEM CO LTD**(72) Inventor: **KAWAMURA YOSHIHIRO**
YAMAZAKI EIJIRO**(54) RINSING SUPPLEMENT COMPOSITION FOR WASHING**

(57) Abstract:

PURPOSE: To obtain a rinsing supplement composition free from disadvantageous effect on human body, having multiple functions such as resistance to yellow, an odor-eliminating function, antibacterial activity, increase of whiteness, easy in handleability and excellent in washing efficiency.

CONSTITUTION: This rinsing supplement composition for washing is obtained by compounding and dissolving

10-80wt.% of at least one organic acid selected from a group consisting of oxalic acid, glycolic acid, tartaric acid, citric acid, isocitric acid, malic acid, malonic acid and fumaric acid, 3-40wt.% of an odor-eliminating agent consisting of a natural vegetable oil extract and/or a cyclic polysaccharide-type compound such as cyclodextrin, 1-40wt.% of an antibacterial agent consisting of a tertiary ammonium salt compound and 0-2wt.% of a water-soluble fluorescent dye in water to prepare an aqueous solution having pH of ≤ 3 as the objective composition.

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